

Name: \_\_\_\_\_

**at1110paper\_practice\_test (v21)**

1. Expand the following expression into standard form.

$$(4x + 9)(5x + 3)$$

2. Solve the equation.

$$(6x + 5)(9x - 7) = 0$$

3. Expand the following expression into standard form.

$$(8x - 3)(8x + 3)$$

4. Expand the following expression into standard form.

$$(3x + 2)^2$$

5. Factor the expression.

$$x^2 - x - 12$$

6. Factor the expression.

$$16x^2 - 9$$

7. Solve the equation with factoring by grouping.

$$12x^2 + 18x + 10x + 15 = 0$$

8. Solve the equation.

$$5x^2 - 15x + 16 = 3x^2 - 2x - 5$$